

AMBIANE™ AP

The first in a range of high-performance speciality luminaires, the Ambiane™ AP downlight is suitable for ambient lighting applications, wall washing and accent lighting where light quality is of the utmost importance. Its high CRI output, simple control mode with CCT and green correction, and perfectly matching dimming curve with tungsten lamps are all key features which give lighting designers a unique solution without any compromises. Available in RGBW and tunable white CCT versions, along with a variety of beam angles, the cool-running Ambiane™ AP is UV or IR radiation free making it ideal for a wide array of applications including theatres, auditoriums, ballrooms, hotels, offices, restaurants, retail environments and more. With both DMX and DALI control options, combined with a super-efficient LED source and high quality reflectors for optimum light output, the Ambiane™ AP can produce truly dramatic results!



KEY FEATURES

LED Output

Available in wide range of color configurations (RGBW, PW, TW and TD), the high-efficiency LED modules of the Ambiane AP provide the highest possible luminous flux 2,713 lm. With two different beam spreads to choose from (67° and 80°), the equally homogenized light output is secured by precisely designed output optics, and the fixture provides a 60,000 hour LED lifetime guaranteeing a dependable performance.

Control

Thanks to our unique L3™ (low light linearity) 18-bit dimming system, ultra-smooth fade to black and color mixing are now possible. The fixture's remote setting and device management is realized through DALI and DMX512 control protocols with RDM support and intelligent power balancing (always 50W output in any mixed color).

Installation

The low 48V DC input voltage secures a safe light operation with the possibility of backup power connection to protect against any unexpected black-out.

CONTROL & PROTOCOLS

-
-
- PW & TD ONLY

STANDARD & SPECIFICATION

- OPTIONAL *
- FROSTED GLASS
- CLEAR GLASS
-
-
-
-
-
-

* BELOW PART IP54 WITH ADDITIONAL FRONT GLASS COVER UPON REQUEST

COLOURS

- RGBW
- Pure White
- Tunable White
- Tungsten Dim

COLOUR TEMPERATURES

- 2.700 K
- 4.000 K
- 2.700 K - 4.000 K

FINISH OPTIONS

- White
- Black
- Custom Paint Colour

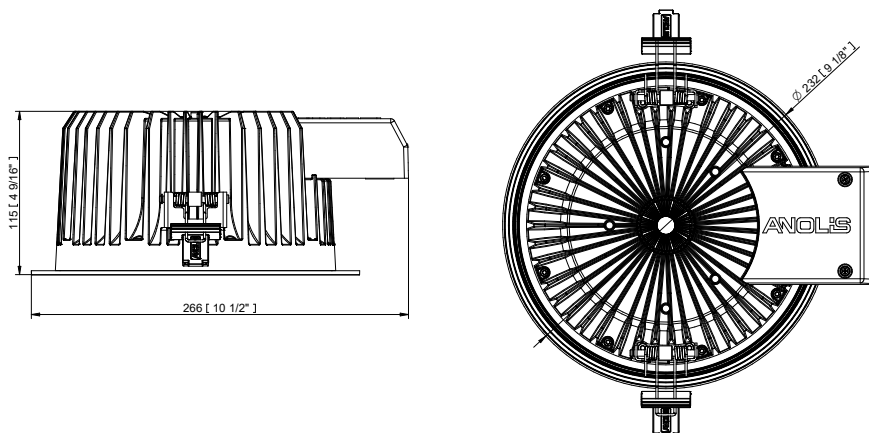
OPTIC OPTIONS

- 67°
- 80°

AMBIANE AP SPECIFICATION

ELECTRICAL	Input Voltage	48 V DC			
	Typical Power Consumption	50 W			
OPTICAL	Light Source	High Power Single Chip LEDs			
	Colour Variants	RGBW (W - 2700 K or 4000 K)	PureWhite	Tunable White	Tungsten Dim
	Colour Temperature of White	PW 2700 K or 4000 K TW 2700-4000 K TD 3200 K			
	CRI	90+			
	Beam Angle	67° 80°			
	Lumen Output Delivered	2.713 lm (RGBNW 4000 K @ 67°)			
		2.495 lm (RGBNW 4000 K @ 80°)			
Projected Lumen Maintenance	60.000 hrs (L70 @ 25 °C / 77 °F)				
CONTROL	Interface Protocol	USITT DMX512, RDM, DALI, 0-10 V			
	DALI Type	DALI 2 Type 6			
	Control System	ArcControl Range or any Third Party Controller			
	DMX Modes	5 (for RGBW version)			
	DMX Channels	4, 3, 12, 3, 6			
	Settings / Addressing	DIP Switch			
	Power Supply	Ambiane Power AP, Ambiane Power Rack (CE/US) or Third Party Constant Voltage 48 V / 75 W Power Supply			
PHYSICAL	Width x Height x Depth	ø232 x 116 x 266 mm (ø9.13 x 4.57 x 10.47 in.)			
	Weight	1.9 kg 4.19 lbs			
	Housing	High Pressure Die-Cast Aluminium Body			
	Finish Options	Standard Color - White RAL 9016, Black RAL 9005			
		Cost Option - Custom RAL			
	Cables / Connections	Terminal Block (Power In, DMX In/Out, DALI In/Out, Secondary power Input)			
	Mounting Method	Recessed, Via Two Spring Clips. Cut-Out Diameter: 212 mm / 8.34 in.			
	Protection Factor	IP20 (Option: Below part IP54 with attached front clear or frosted glass - valid for part of the luminaire with glass under the ceiling)			
	IK Rating	IK08 (IP54 option with Clear Glass)			
		IK06 (IP54 option with Frosted Glass)			
	Cooling System	Convection			
Operating Ambient Temperature	- 20 °C / +45 °C (-4 °F / +113 °F)				
Operating Temperature	+75 °C @ Ambient +35 °C (167 °F @ Ambient 95 °F)				
CERTIFICATION	Listings	ETL / cETL, CE, RoHS			
ACCESSORIES	Mounting	Adapter Ring for Ø235-255 mm + Spring Clip Set			
	Optical	Anti-Glare Ring			
	Power supply	Ambiane Power AP			
Ambiane Power Rack (CE / US)					

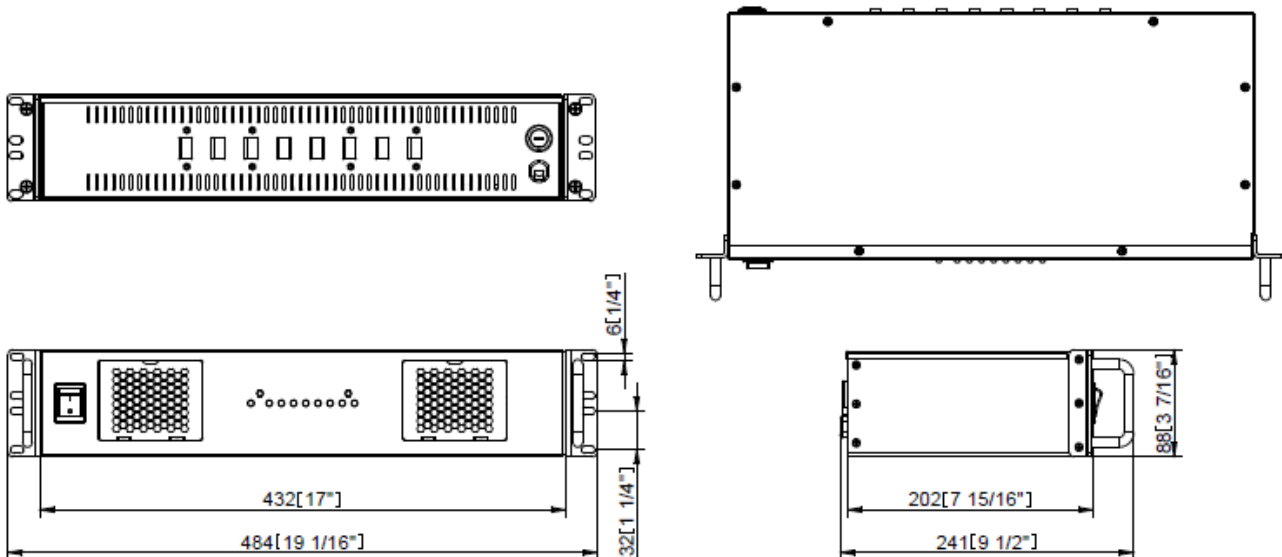
DIMENSIONS



AMBIANE POWER RACK (CE / US) SPECIFICATION

ELECTRICAL	Input Voltage	100 - 240V AC 50/60 Hz (Ambiane Power Rack) 100 - 277V AC 50/60 Hz (Ambiane Power Rack US)
	Maximal Power Consumption	1350W
	Output Voltage	48 V DC
	Outputs	8
	Max. Load per output	200W
	Max. Total Load	1200W
	PHYSICAL	Length x Height x Depth
Weight		5.4 kg 11.9lbs
Housing		Rack Standard - 2U or Wall Mounted Brackets
Finish Options		Standard Colour - Graphite Black (RAL 9011) Silver (RAL9006)
		Cost Option - Custom RAL
Cables / Connections		8 x Terminal Block (DC power Out)
		1x Main Power Cord (w/plug; CE/US)
Mounting Method		Designed to Rack Box Installation
Protection Factor		IP20 / Dry locations only
Cooling System	Fan Cooled	
Operating Ambient Temperature	-20 °C / +40 °C (-4 °F / +104 °F)	
CERTIFICATION	Listings	ETL / cETL, CE, RoHS

AMBIANE POWER RACK DIMENSIONS

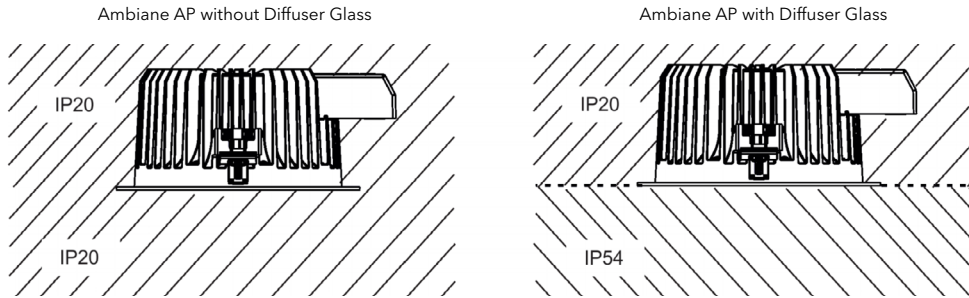


DIAMETER OF CONDUCTORS

Recommended diameters of conductors with respect to distance between Fixture and Power supply.

Distance / Cable length	50 m	100 m
Diameters of conductors	0.5 mm ²	1 mm ²

PROTECTION FACTOR



ACCESSORIES FOR AMBIANE AP

Adapter Ring for Ø235-255 mm + Spring Clip Set



PHOTOMETRIC OVERVIEW

Lumen Output (lm)

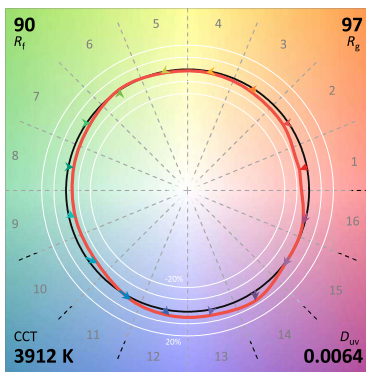
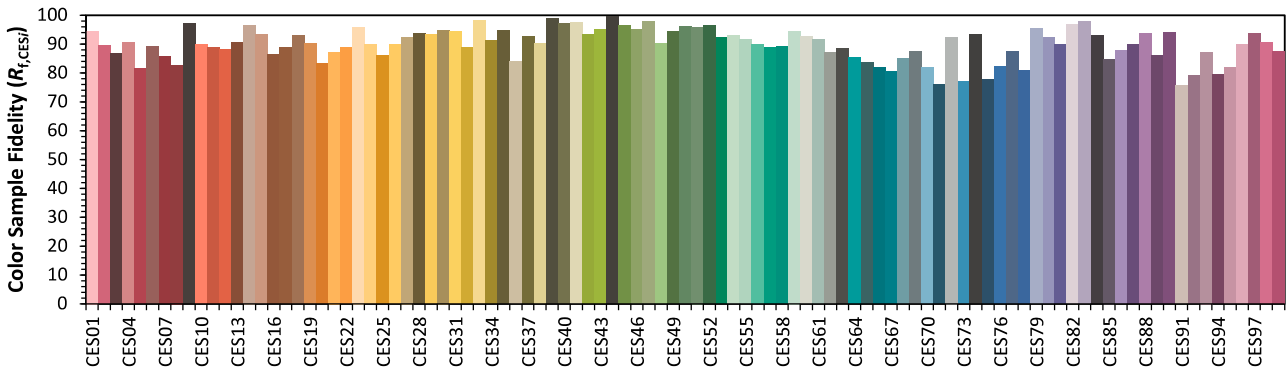
		RGBWW (2700 K)	RGBNW (4000 K)	PW (2700 K)	PW (4000 K)	TW (2700 K - 4000 K)	TD (3200 K)
67°	simple	1 819	2 713	3 398	4 093	2 792 - 2 713	2 907
	with Glass	1 736	2 589	3 243	3 906	2 664 - 2 589	2 774
	with Frosted Glass and Anti-Glare	1 672	2 495	3125	3 764	2 568 - 2 495	2 673
	with Frosted Glass, without Anti-Glare	1 800	2 685	3 363	4 051	2 763 - 2 685	2 877
80°	simple	1 672	2 495	3 125	3 764	2 568 - 2 495	2 673
	with Glass	1 582	2 359	2 955	3 559	2 428 - 2359	2 528
	with Frosted Glass and Anti-Glare	1 515	2 260	2 831	3 410	2 326 - 2 260	2 421
	with Frosted Glass, without Anti-Glare	1 617	2412	3 021	3 639	2 482 - 2412	2 585

UNIFIED GLARE RATING (UGR)

UGR	
67°	< 21 UGR
80°	< 22 UGR

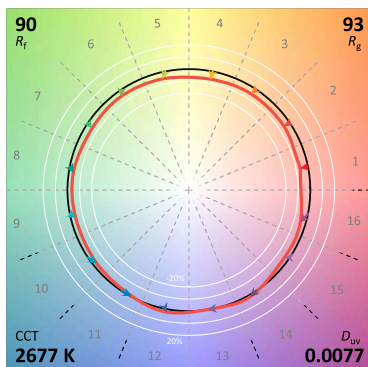
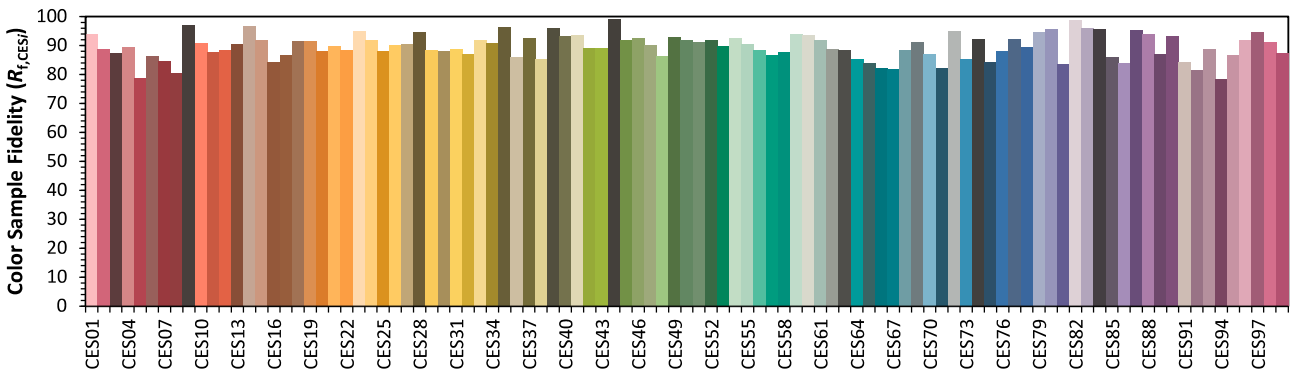
COLOR RENDITION REPORT (TM-30-18 METHOD)

Ambiane AP RGBNW version



CIE 13.3-1995 (CRI)	
R_a	88
R_g	49

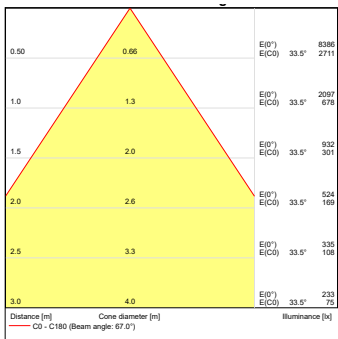
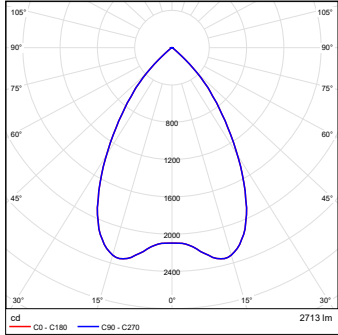
Ambiane AP RGBWW version



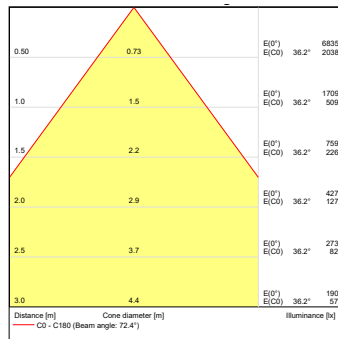
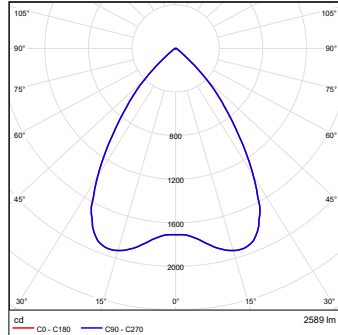
CIE 13.3-1995 (CRI)	
R_a	88
R_g	46

PHOTOMETRIC DATA

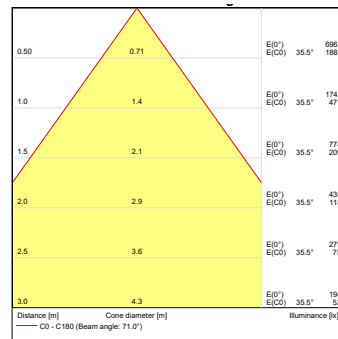
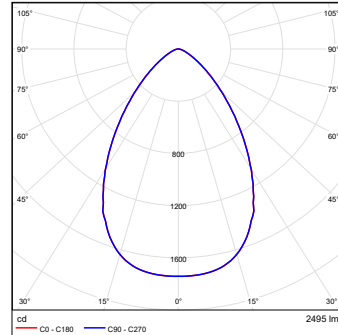
Ambiane AP RGBNW 67dg



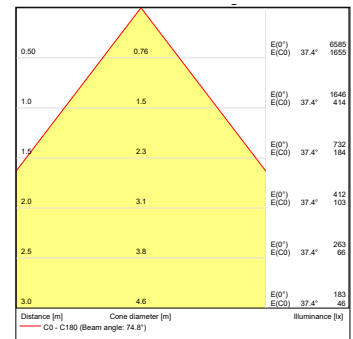
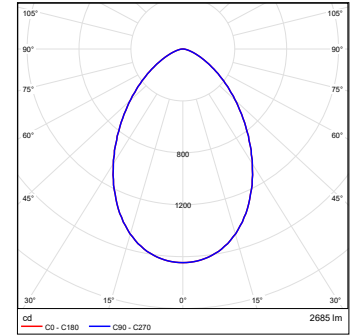
Ambiane AP RGBNW 67dg; with Glass



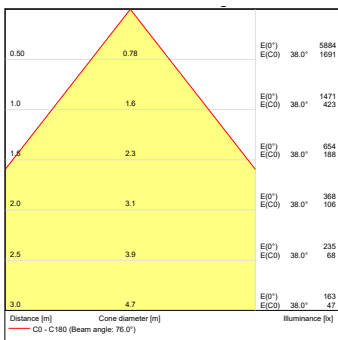
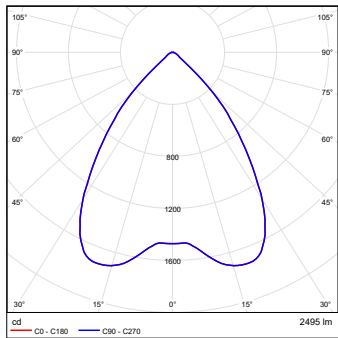
Ambiane AP RGBNW 67dg; with Frosted glass and Anti-Glare ring



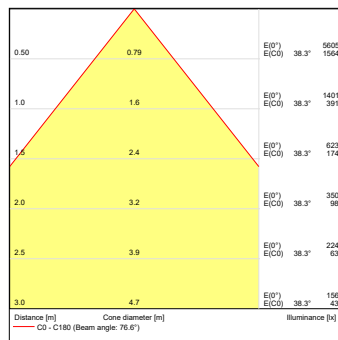
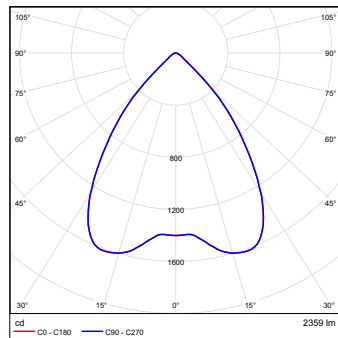
Ambiane AP RGBNW 67dg; with Frosted glass; without Anti-Glare ring



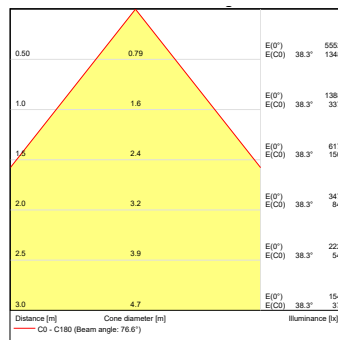
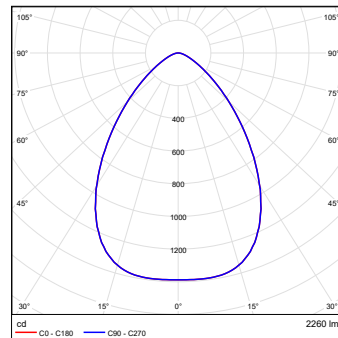
Ambiane AP RGBNW 80dg



Ambiane AP RGBNW 80dg; with Glass



Ambiane AP RGBNW 80dg; with Frosted glass and Antiglare ring



Ambiane AP RGBNW 80dg; with Frosted glass; without Antiglare ring

